

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) A digital broadcasting system for transmitting and receiving, via a network, a broadcast stream created from a broadcast source, the broadcast source including that includes image and audio data and being is used for broadcasting, said digital broadcasting system comprising:

a coding unit operable to code ~~a broadcast~~ the broadcast source ~~based depending~~ on a characteristic of the broadcast source and operable to generate a first layer code and a second layer code from the coded broadcast source, the first layer code and the second layer code, respectively, ~~being able to be used~~ for reproduction of the broadcast source;

a synthesizing unit operable to generate data bursts, each of the generated data bursts including which includes the generated first layer code and second layer code;

a multiplexing unit operable to create ~~a broadcast~~ the broadcast stream by multiplexing the generated data bursts;

a transmitting unit operable to transmit the created broadcast stream to the network;

a receiving unit operable to receive the transmitted broadcast stream;

a decoding unit operable to extract, from the received broadcast stream, at least one of the first layer code and the second layer code; and

a reproducing unit operable to reproduce the broadcast source using the at least one of the first layer code and the second layer code extracted by said decoding unit ~~code~~.

Claim 2 (Currently Amended) The digital broadcasting system according to Claim 1, wherein the broadcast source includes content data for each service of a plurality of services,

wherein said digital broadcasting system further comprises:

_____ a clocking unit operable to keep time; and

_____ a prediction window generating unit operable to generate a prediction window signal that indicates a time at which a target data burst to be received appears in the broadcast stream, the time indicated by the prediction window signal being specified by ~~the said~~ clocking unit, and

wherein said receiving unit is operable to receive, from the received broadcast stream, only a data burst that corresponds to content data of one service of the plurality of services, ~~in the broadcast stream, and~~ only while the prediction window signal is in an active state.

Claim 3 (Currently Amended) The digital broadcasting system according to Claim 2,

wherein said receiving unit is ~~further~~ operable to control a power supply for the reception of the data burst that corresponds to the content data of the one service, such-~~so~~ that the power supply increases only while the prediction window signal is in the active state.

Claim 4 (Currently Amended) The digital broadcasting system according to Claim 2,

wherein said synthesizing unit is ~~further~~ operable to add burst time information into each of the generated data bursts ~~burst~~, the burst time information added into one generated data burst of the generated data bursts indicating a time at which a next data burst, of the generated data bursts, to be received appears in the broadcast stream, and

wherein said prediction window generating unit is operable to determine a timing at which the prediction window signal turns into the active state and a window width of the prediction window signal, according to the burst time information ~~added into the data burst~~.

Claim 5 (Currently Amended) The digital broadcasting system according to Claim 4,
wherein said receiving unit includes a time-keeping unit operable to keep a reference
time of said digital broadcast system, and
wherein said time-keeping unit is operable to correct the reference time according to the
burst time information.

Claim 6 (Currently Amended) The digital broadcast system according to Claim 2,
wherein said prediction window generating unit is ~~further~~ operable to expand a window
width of the prediction window signal by a predetermined length of time when ~~in the case where~~
said receiving unit cannot receive a whole signal of the target data burst.

Claim 7 (Currently Amended) The digital broadcast system according to Claim 2,
wherein said synthesizing unit is ~~further~~ operable to add, to each data burst of the
generated data bursts, at least one error correction code for correcting a code error that ~~which~~
occurs when the broadcast stream is transmitted.

Claim 8 (Currently Amended) The digital broadcast system according to Claim 7,
wherein the at least one error correction code is ~~codes are~~ added to the first layer code
and the second layer code individually, and
wherein a correction capability of the error correction code added to the second layer
code is higher than a correction capability of the error correction code added to the first layer
code.

Claim 9 (Currently Amended) A transmission apparatus for use in a digital broadcasting system for transmitting and receiving, via a network, a broadcast stream created from a broadcast source, the broadcast source including that includes image and audio data and is being used for broadcasting, said transmission apparatus comprising:

a coding unit operable to code ~~a broadcast~~ the broadcast source ~~based depending~~ on a characteristic of the broadcast source and operable to generate a first layer code and a second layer code from the coded broadcast source, the first layer code and the second layer code, respectively, ~~being able to be used~~ for reproduction of the broadcast source;

a synthesizing unit operable to generate data bursts, each of the generated data bursts including which includes the generated first layer code and second layer code;

a multiplexing unit operable to create ~~a broadcast~~ the broadcast stream by multiplexing the generated data bursts; and

a transmitting unit operable to transmit the ~~formed~~ created broadcast stream to the network.

Claim 10 (Currently Amended) A reception apparatus for use in a digital broadcasting system for transmitting and receiving, via a network, a broadcast stream created from a broadcast source, the broadcast source including that includes image and audio data and is being used for broadcasting, said reception apparatus comprising:

a receiving unit operable to receive ~~a broadcast~~ the broadcast stream via the network;

a decoding unit operable to extract, from the received broadcast stream, at least one of a first layer code and a second layer code, the first layer code and the second layer code (i) being

~~which are~~ generated from the broadcast source ~~that has been coded based depending~~ on a characteristic of the broadcast source, and ~~(ii) which can~~ respectively ~~being be~~ used for reproduction of the broadcast source; and

a reproducing unit operable to reproduce the broadcast source using the at least one of the first layer code and the second layer code extracted ~~by said decoding unit code~~.

Claim 11 (Currently Amended) A transmission and reception method for use in a digital broadcasting system for transmitting and receiving, via a network, a broadcast stream created from a broadcast source, the broadcast source including that includes image and audio data and ~~being~~ is used for broadcasting, said transmission and reception method comprising:

~~coding a broadcast~~ the broadcast source ~~based depending~~ on a characteristic of the broadcast source and generating a first layer code and a second layer code from the coded broadcast source, the first layer code and the second layer code, respectively, ~~being able to be used~~ for reproduction of the broadcast source;

generating data bursts, each of the generated data bursts including which includes the generated first layer code and second layer code;

~~creating a broadcast~~ the broadcast stream by multiplexing the generated data bursts;

transmitting the created broadcast stream to the network;

receiving the transmitted broadcast stream;

extracting, from the received broadcast stream, at least one of the first layer code and the second layer code; and

reproducing the broadcast source using the at least one of the first layer code and the second layer code extracted ~~by said extracting code~~.